CONTROL BASIC

INSTRUCTIONS MANUAL **EN**

HANDBUCH **DE**

MANUAL DE INSTALACION **ES**

MANUEL D'INSTALLATION **FR**

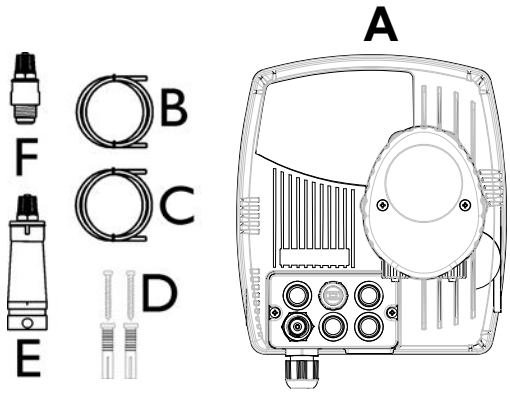
MANUALE D'INSTALLAZIONE **IT**

Code 0000137847 Rev 1.0

CONTROL BASIC **ASTRAL**POOL

PACK CONTENTS

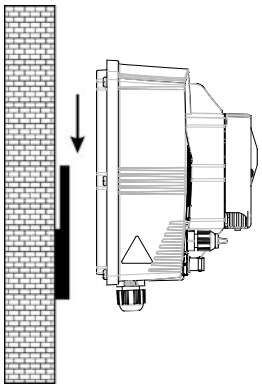
A) pH / REDOX control device
B) PVC Crystal 4x6 with suction device (2 m)
C) Polyethylene delivery hose (3m)
D) Attachment screw (ϕ=6 mm)
E) Foot filter (PVC riser)
F) FPM duckbill valve (3/8" GAS)



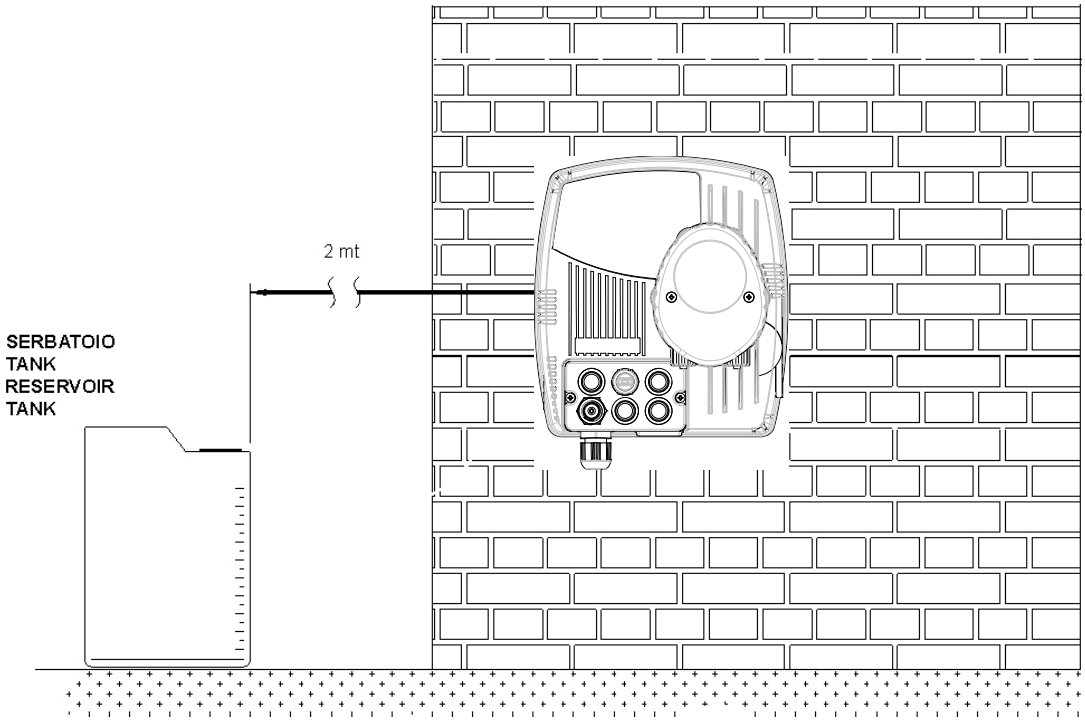
TECHNICAL SPECIFICATIONS

Dimensions (H – W – L)	191x155x123 mm
Weight	1 kg
Power supply	230 VAC
Consumption	6 W
Pump flow rate	1,5 l/h
Maximum back-pressure	1,5 bar
Pump state	Pause - Supply
Measure scale	0 ÷ 14.0 pH; Redox 0 ÷ +1000 mV
Device precision	± 0,1 pH; ±10 mV
Device accuracy	± 0,02 pH; ±2 mV
Electrode regulation	Automatic

Wall Mounting Setup



ATTENZIONE / WARNING / ATTENTION / ACHTUNG



INSTRUCTION SETTING

Functions:

CALIBRATION

- Press CAL ENTER for 3 Seconds
- Sequence Standard calibration buffer solution 7 and 4 pH or Redox 465mV

SET POINT

- Press: ESC SET
- hold down ESC SET and change the value with key
  - **7.4ph**
  - **750mV**
- Press CAL ENTER ESC SET (together) for 5 Seconds and run Program Setup

PROGRAM

Press CAL ENTER to set the following Item:

- **Configuration Pump**
  - select pH or Redox
- **Language**
  - With the button It's possible to have 5 language EN, IT, ES, DE, FR
- **Flow**
  - Select with the button
  - It's possible to enable(ON) or disable (OFF) signal input flow (high voltage) connected in parallel to the recirculation pump.

SETPOINT 7.4ph or 750mV

- Select with the button CAL ENTER and set with
- It's possible to adjust from 0 to 14 pH value and 0 to 1000 mV for Redox.

SETPOINT TYPE ACID

- Select with the button CAL ENTER and set with
- It's possible to adjust Acid or Alkaline dosing and High or Low for Redox

OFA TIME OFF

- Select with the button CAL ENTER and set with ▶
- It's possible to adjust OFA time in minutes

CALIBRATION 7/4pH or 465mV

- Select with the button CAL ENTER and set with ▶
- It's possible to select 2 points 7 and 4 pH, 1 point only 7pH or function disable; we have 465 mV for the redox function or disabled

MAN TEMPERATURE 25°C (pH measure only)

- Select with the button CAL ENTER and set with ▶
- Set the temperature manually (pH measure only)
- Save and escape Program setup with ESC key.

EXIT SAVE

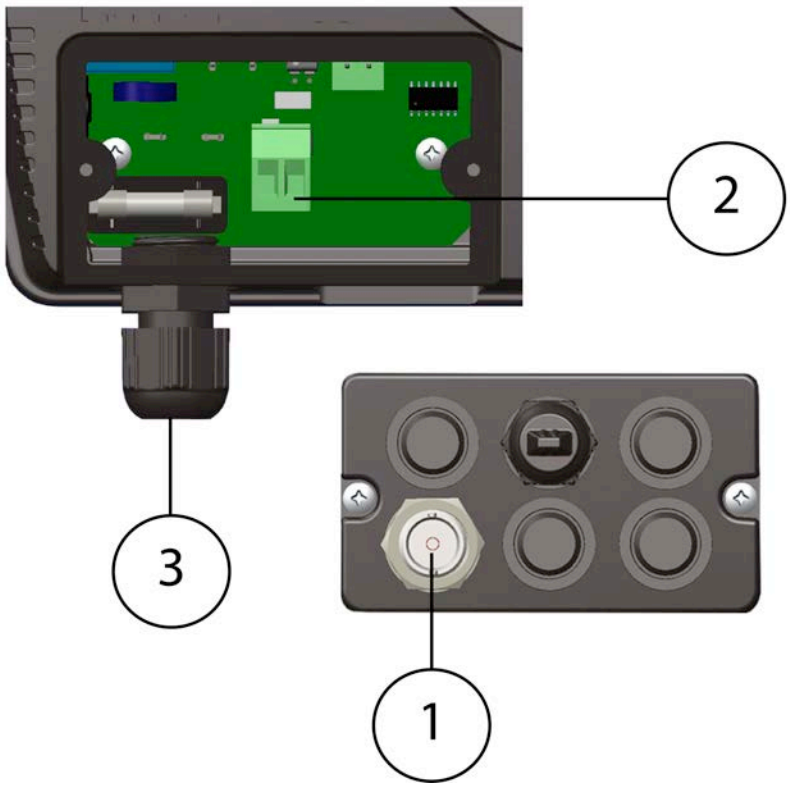
- Select with the button ESC SET and set with ▶ Save or Not Save

PRIMING

- Priming Pump Keep Press ▶ for 3 seconds

Wire Connection:

1) Input pH or Redox Probe
2) Input Flow Rate (High Voltage 230 Vac)
3) Power Supply 230 Vac 50Hz/60Hz



pH Probe Calibration

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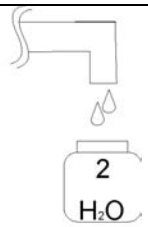
<td> 

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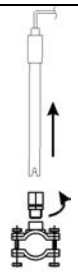
<td> 

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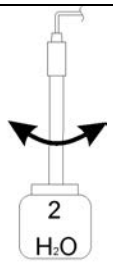
<td> 

Wash
3</td>
</tr>
<tr>
<td>

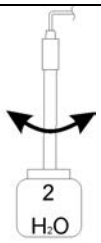
Keep probe into Buffer solution
4</td>
<td>Calibration

Press CAL ENTER for 3 Seconds
5</td>
<td>7pH Press CAL

CAL ENTER

Calibration During 1 minutes

Wait 60s
6</td>
</tr>
<tr>
<td>7pH Quality 100%

Quality Probe
7</td>
<td> 

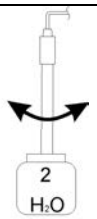
Wash
8</td>
<td>

Keep probe into Buffer solution
9</td>
</tr>
<tr>
<td>4pH Press CAL

CAL ENTER

Calibration During 1 minutes

Wait 60s
10</td>
<td>4pH Quality 100%

Quality Probe
11</td>
<td> 

Wash
12</td>
</tr>
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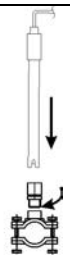
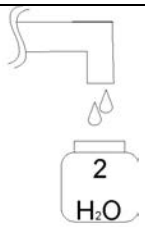
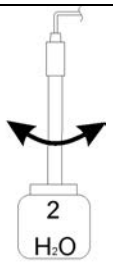
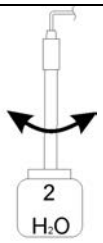
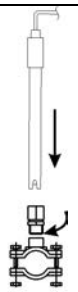
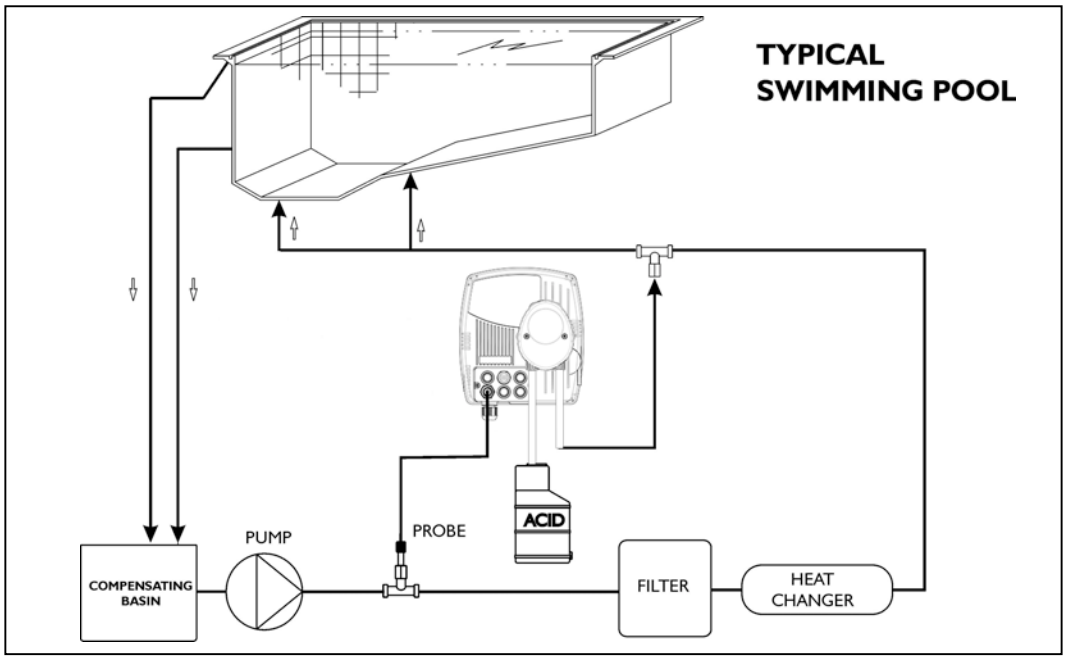
<td> 

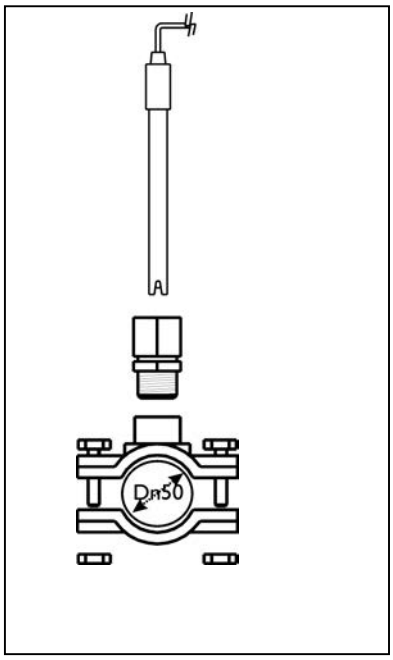
13</td>
<td>Press CAL ENTER to save and exit
14</td>
<td>Normal Status
15</td>
</tr>
</table>

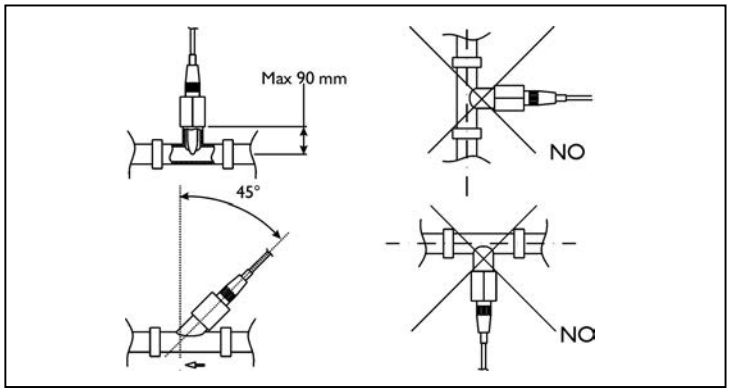
Note:
If you have setting Calibrabration = 7 pH the function has 1 point calibrate only 7 pH buffer solution.

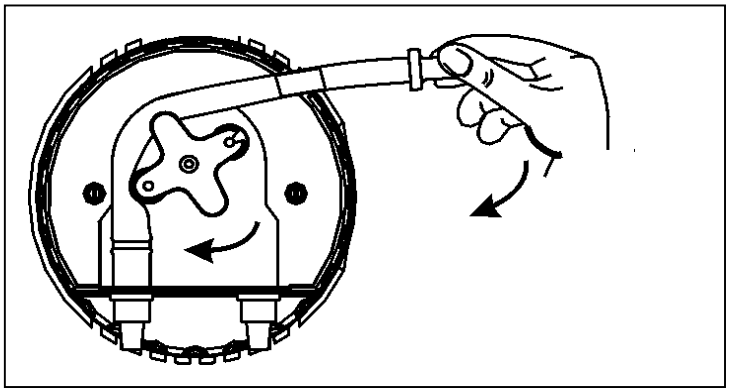
Redox Probe Calibration

 **1**	 **2**	 Wash **3**
 Keep probe into Buffer solution **4**	**Calibration** Press CAL ENTER for 3 Seconds **5**	**465mV Press CAL** CAL ENTER Calibration During 1 minutes **Wait 60s** **6**
465mv Quality 100% Quality Probe **7**	 Wash **8**	 **9**
Press CAL ENTER for 3 Seconds **10**	Normal Status **11**	









Alarm	Display	Actions to do
OFA First Alarm (time >70%)	**OFA Alarm**	- Push Enter Key to reset
OFA Second Alarm (time =100%)	**OFA STOP**	- Push Enter Key to reset
Flow Rate	**Flow**	- Restore Flow Rate
System Error	**Parameter Error**	- Press Enter Key to replace Default parameter - Destroy Unit
Calibration Funciont	**Error 7 ph Error 4 ph** **Error 465 mV**	- Restore Probe or Buffer solution and repeat calibration function

Default parameters:

- Language = **UK**
- Set Point value= **7,4 pH; 750mV (Rx)**
- Dosing Method = **Acid; Low (Rx)**
- Time OFA = **OFF**
- Calibration = **7/4 (2 point); 465mV (Rx)**
- Flow Input= **OFF**

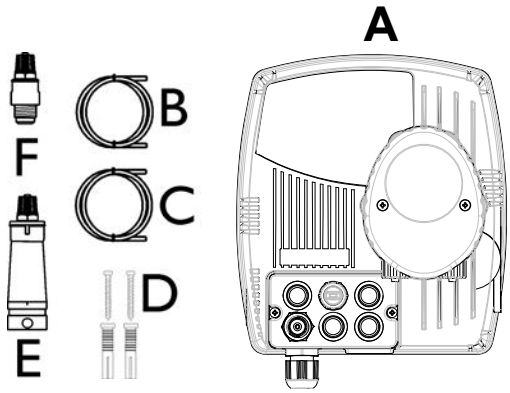
To restore Default parameters run Following steps:

- Power off Pool Basic unit
- Keep pressing both buttons simultaneously CAL ENTER and ▶ To turn on the system Basic.
- The system will show **Default No**
- Press ▶ for **Default Yes**
- Press CAL ENTER to restore Default parameters.

CONTROL BASIC **ASTRAL**POOL

VERPACKUNGSINHALT

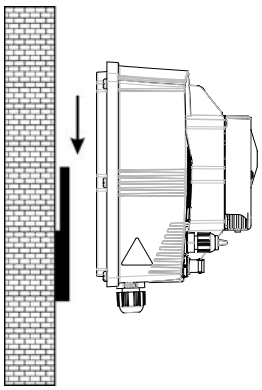
A) pH / REDOX Kontrollsystem
B) PVC-Schlauch Crystal 4x6 (2 m)
C) Polyethylen-Schlauch (3 m)
D) Schrauben mit Dübeln (ϕ = 6 mm)
E) Fußfilter (PVC)
F) Rückschlagventil aus FPM (3/8" GAS)



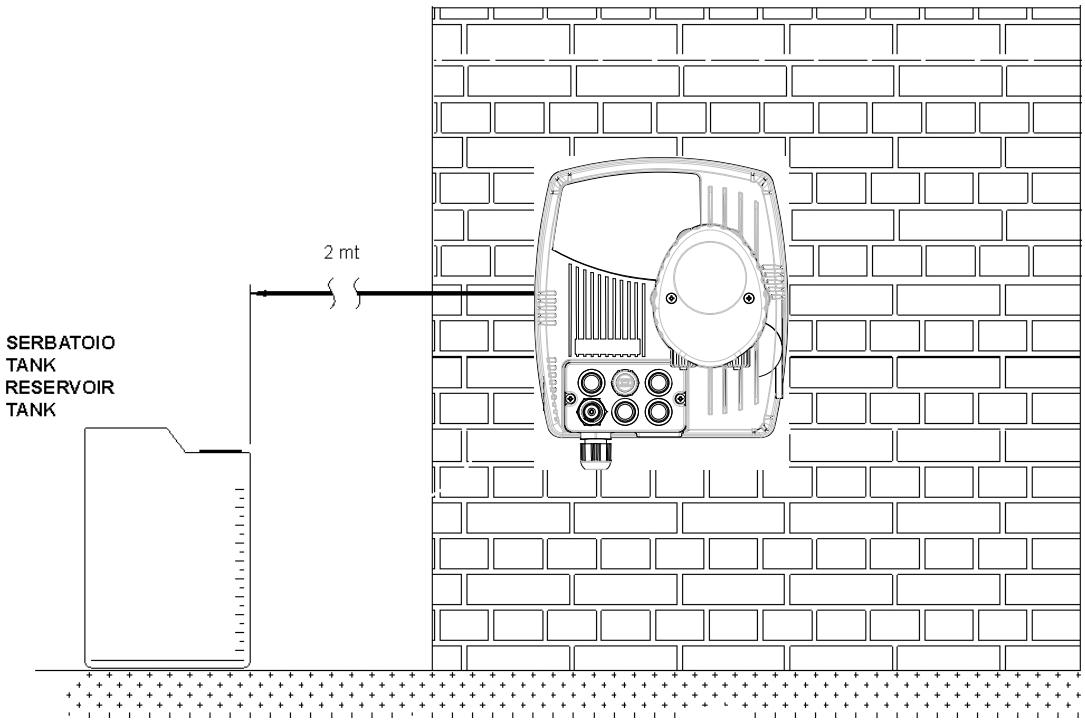
TECHNISCHE DATEN

Abmessungen (H - B - T)	191x155x123 mm
Gewicht	1 kg
Spannungsversorgung	230 VAC
Verbrauch	6 W
Förderleistung der Pumpe	1,5 l/Std.
Max. Gegendruck	1,5 bar
Pumpenstatus	Pause - Betrieb
Messskala	0 ÷ 14.0 pH; Redox 0 ÷ +1000mV
Messgenauigkeit	± 0,1 pH; ±10 mV
Genauigkeit Maß	± 0,02 pH; ±2 mV
Kalibrierung der Elektrode	Automatisch

Wandmontage



ATTENZIONE / WARNING / ATTENTION / ACHTUNG



EINSTELLUNGEN

Funktion:

KALIBRIERUNG

- 3 Sekunden lang die Taste CAL ENTER drücken:
- Standardabfolge der Kalibrierung für Pufferlösung mit pH-Wert 7 und 4 oder 465mV für Redox

SET POINT

- Taste ESC SET drücken:
- Die Taste ESC SET gedrückt halten und den Wert über die Tasten verändern.
  - **7.4ph**
  - **750mV**
- Die Tasten CAL ENTER ESC SET (zusammen) 5 Sekunden lang gedrückt halten, um in das Konfigurationsmenü zu gelangen:

PARAMETER

CAL ENTER drücken, um die folgenden Punkte einzustellen:

- **Konfig Pumpe**
  - Wählen pH oder Redox
- **Sprache**
  - Mit der Schaltfläche Es können 5 Sprachen eingestellt werden EN, IT, ES, DE, FR
- **Fluss**
  - Wählen Sie mit der Taste
  - Der Durchflusseingang (Hochspannung), der parallel zur Rückführpumpe angeschlossen ist, kann aktiviert (ON) oder deaktiviert (OFF) werden.

SOLLWERT 7.4ph oder 750mV

- Über die Taste CAL ENTER auswählen und über einstellen
- Der Wert kann zwischen 0 und 14 pH oder für Redox-messungen zwischen 0 und +1000 mV verändert werden.

SOLLWERT TYP SAURE

- Über die Taste CAL ENTER auswählen und über einstellen
- Kann zur Dosierung einer alkalischen oder einer sauren Lösung oder für Redox auf High oder Low gestellt werden.

OFA ZEIT OFF

- Über die Taste CAL ENTER auswählen und über ▶ einstellen
- Hier kann die OFA-Zeit (Zeit der Überdosierung in Minuten) verändert werden.

KALIBRATION 7/4pH oder 465mV

- Über die Taste CAL ENTER auswählen und über ▶ einstellen
- Die Abfolge der Kalibrierung kann auf 2 Punkte (7 und 4 pH), oder nur auf 1 Punkt (nur 7 pH) eingestellt oder die Funktion deaktiviert werden; für Redox haben wir 465 mV oder Funktion deaktiviert.

TEMPERATUR MAN 25°C (nur bei der pH-Messung)

- Über die Taste CAL ENTER auswählen und über ▶ einstellen
- Der Temperaturwert kann manuell eingegeben werden (nur bei der pH-Messung)
- Speichern und das Programmmenü über die Taste ESC verlassen.

VERLASSEN SICHERN

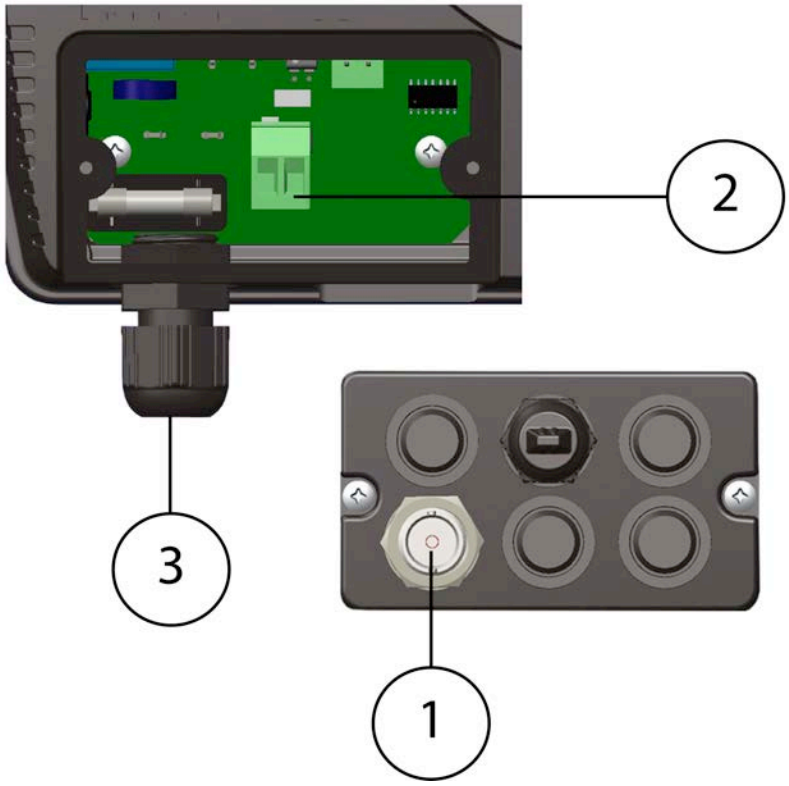
- Über die Taste ESC SET auswählen und über ▶ einstellen sparen oder nicht sparen

ANSAUGUNG

- Für die Funktion manuelles Ansaugen die Taste ▶ 3 Sekunden lang gedrückt halten

Anschluss der Kabel:

1) Eingang pH- oder Redoxfühler
2) Durchflusseingang, Durchfluss Rückführpumpe (elektrisches Signal 230 Vac)
3) Stromversorgung 230 Vac 50Hz / 60Hz.



Kalibrierung der pH-Sonde

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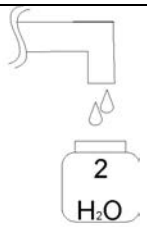
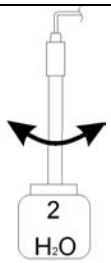
<td> 

1</td>
<td>

2</td>
<td> 

Die Sonde spülen

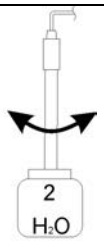
3</td>
</tr>
<tr>
<td>

Die Sonde in die Pufferlösung halten

4</td>
<td>Kalibration
Die Taste CAL ENTER 3 Sekunden lang drücken

5</td>
<td>7pH CAL Drucken
CAL ENTER
Die Kalibrierung dauert eine Minute
60s Pause

6</td>
</tr>
<tr>
<td>7pH Qualität 100%
Qualität der Sonde

7</td>
<td> 

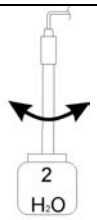
Die Sonde spülen

8</td>
<td>

Die Sonde in die Pufferlösung halten

9</td>
</tr>
<tr>
<td>4ph CAL drücken
CAL ENTER
Die Kalibrierung dauert eine Minute
60s Pause

10</td>
<td>4pH Qualität 100%
Qualität der Sonde

11</td>
<td> 

Die Sonde spülen

12</td>
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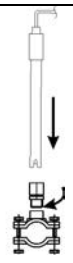
<td> 

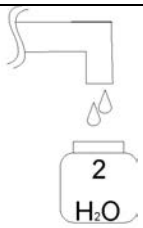
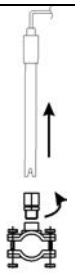
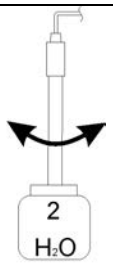
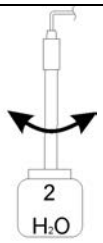
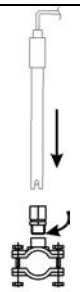
13</td>
<td>Drücken Sie die Taste CAL ENTER zum Beenden und speichern Sie die Daten

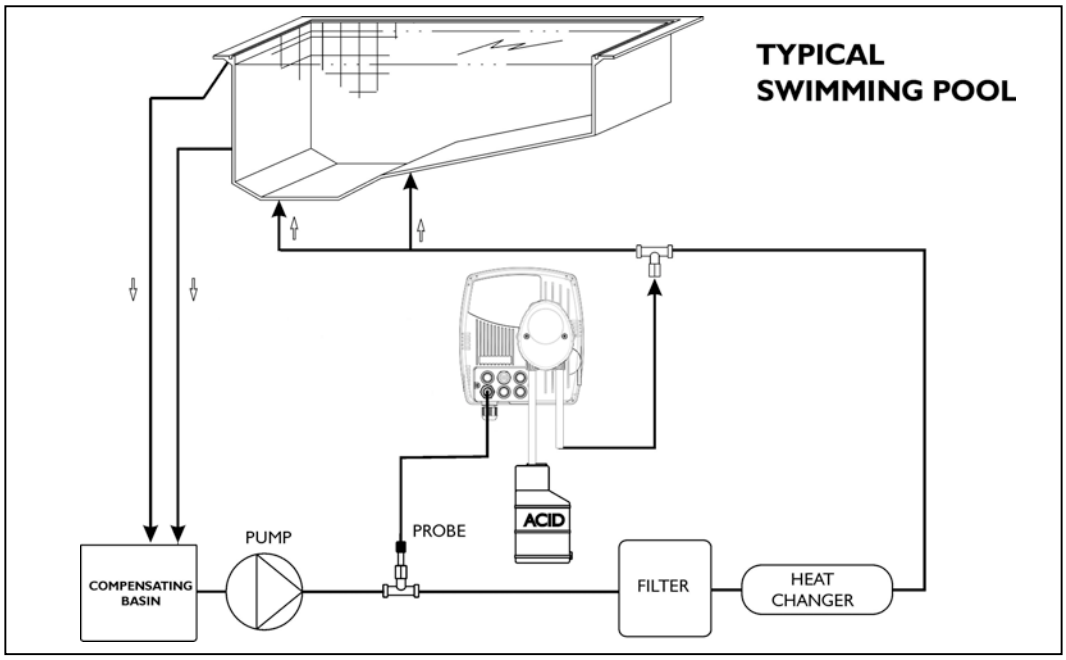
14</td>
<td>Normaler Mess- und Kontrollstatus

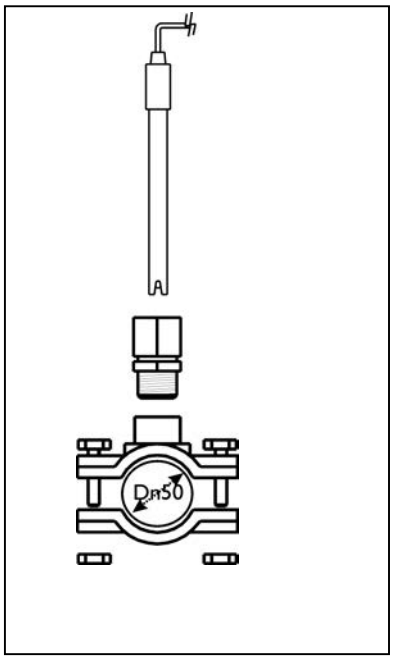
15</td>
</tr>
</table>

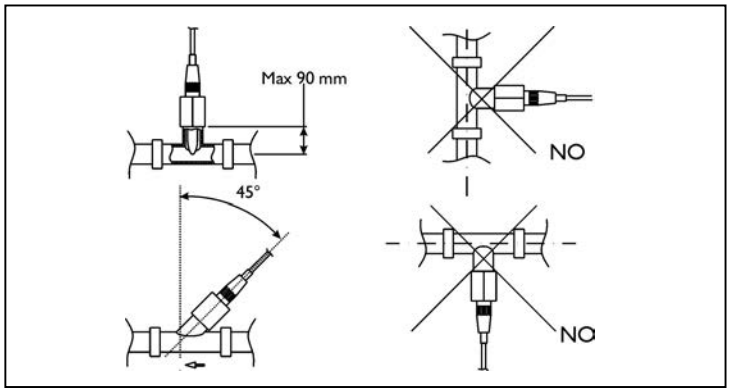
Hinweis:
Wenn wir die Funktion Kalibrierung = 7 pH einstellen, führt das System die Kalibrierung nur für den Punkt 7 pH aus.

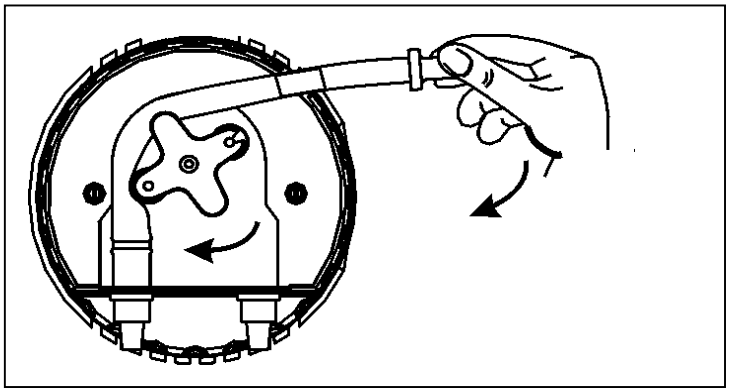
Kalibrierung der Redox-Sonde

 **1**	 **2**	 Die Sonde spülen **3**
 Die Sonde in die Pufferlösung halten **4**	**Kalibration** Die Taste CAL ENTER Sekunden lang drücken **5**	**465mv CAL Drucken** CAL ENTER Die Kalibrierung dauert eine Minute **60s Pause** **6**
465mv Qualität 100% Qualität der Sonde **7**	 Die Sonde spülen **8**	 **9**
Die Taste CAL ENTER 3 Sekunden lang drücken **10**	Normaler Mess- und Kontrollstatus **11**	









Alarm	Display	Was ist zu tun
Erster OFA-Alarm (Zeit >70%)	**Alarm OFA**	- Die Taste Enter drücken, um den alarm zu beseitigen
Zweiter OFA-Alarm (Zeit=100%)	**STOP OFA**	- Die Taste Enter drücken, um den Alarm zu beseitigen
Wasserdurchfluss (Rückführungspumpe ausgeschaltet)	**Fluss**	- Wasserrückführpumpe wieder einschalten.
Systemfehler	**Parameter Error**	- Enter drücken, um die Werkseinstellungen wieder herzustellen - System kaputt
Kalibrierfunktion	**Fehler 7 ph Fehler 4 ph Fehler 465 mv**	- Die Sonde oder die Pufferlösung austauschen und die Kalibrierung wiederholen.

Werksparameter:

- Sprache = **UK (Englisch)**
- SetPoint Wert = **7,4 pH; 750mV (Rx)**
- Dosiermethode = **Säure; Niedrig (Rx)**
- OFA-Zeit = **OFF**
- Kalibrierung = **7/4 (2 Punkte); 465mV**
- Durchflusseingang = **OFF**

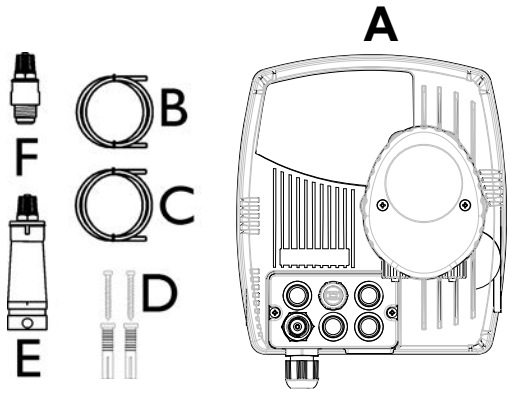
Um die Werkseinstellungen (Default) wieder herzustellen, wie folgt vorgehen:

- Das Basic-System ausschalten
- Die Taste CAL ENTER und ▶ gedrückt halten und das Basic-System einschalten.
- Das System zeigt folgendes an: **Default No**
- Drücken Sie die Taste ▶ **Default Yes**
- Drücken Sie die Taste CAL ENTER um die Parameter wieder herzustellen.

CONTROL BASIC **ASTRAL**POOL

CONTENIDO DE LA CAJA

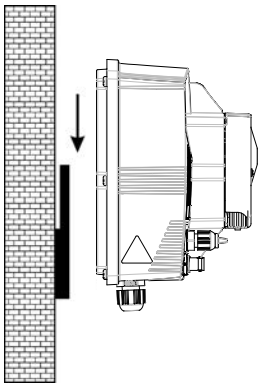
A) Controlador pH / REDOX
B) Tubo PVC cristal 4x6 mm para aspiración (2 m)
C) Tubo PEAD 4x6 m para impulsión (3m)
D) Tornillos (ϕ=6 mm)
E) Válvula de pie (PVC)
F) Válvula de inyección (labio) FPM (3/8" GAS)



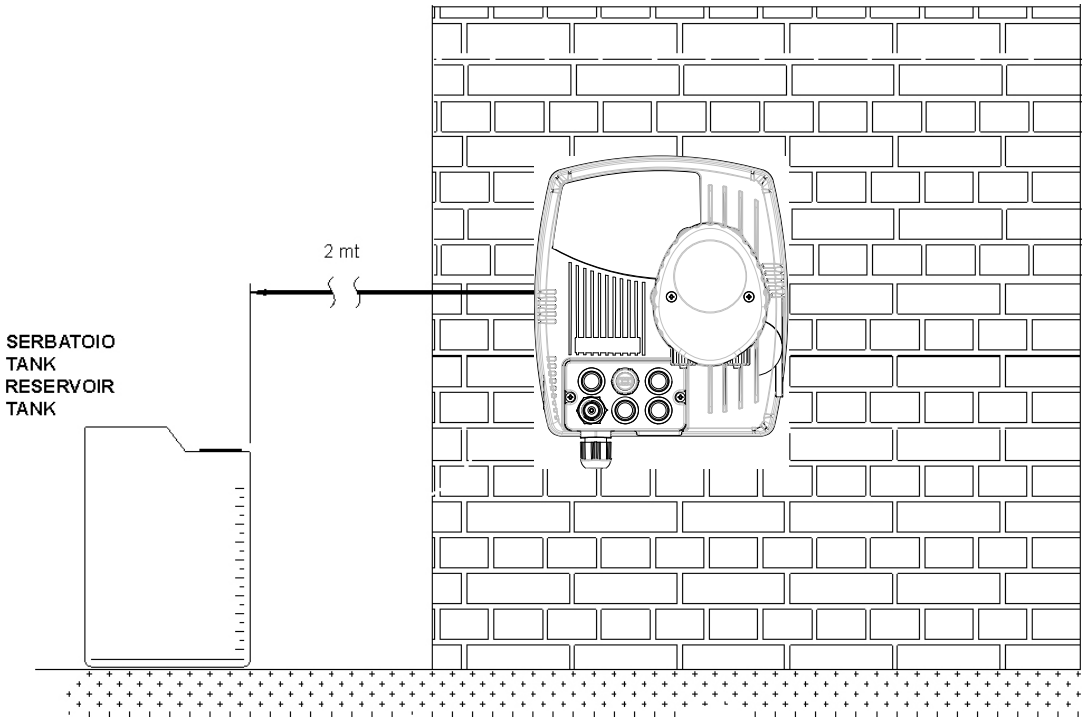
Montaje Pared

DIMENSIONES

Dimensiones (H – W – L)	191x155x123 mm
Peso	1 kg
Alimentación	230 VAC
Consumo	6 W
Caudal de la bomba	1,5 l/h
Contrapresion maxima	1,5 bar
Estado de la bomba	Pausa - Alimentación
Rango medida	0 ÷ 14.0 pH; Redox 0 ÷ +1000 mV
Rango control	± 0,1 pH; ±10 mV
Precision	± 0,02 pH; ±2 mV
Regulación electrodo	Automatic



ATTENZIONE / WARNING / ATTENTION / ACHTUNG



INSTRUCCIONES

Funciones:

CALIBRACIÓN

- Presionar pulsador CAL ENTER durante 3 segundos
- Sequenza Secuencia de calibración estándar para la solución tampón pH 7 y 4 o 465mV para Redox

SET POINT

- Presionar pulsador ESC SET
- Mantener pulsado ESC SET y cambie el valor con la tecla
  - **7.4ph**
  - **750mV**
- Presione las teclas CAL ENTER ESC SET (Juntos) durante 5 segundos y ejecutar el menú de configuración

PROGRAM CONFIGURATION

Presionar CAL ENTER para las siguientes instrucciones:

- **Configuración de Bomba**
  - Seleccionar pH o Redox
- **Idioma**
  - Con el botón es posible elegir entre 5 idiomas EN, IT, SP, DE, FR
- **Caudal**
  - Seleccionar mediante el botón
  - Es posible conectar (ON) o deconectar (OFF) la entrada de señal

SETPOINT 7.4ph o 750mV

- Seleccionar mediante el botón CAL ENTER y establecer con
- Es posible ajustar desde 0 a 14 el valor de pH y 0 to 1000 mV para Redox

TIPO SETPOINT ACIDO

- Seleccionar mediante el botón CAL ENTER y establecer con
- Es posible ajustar Acido (pH -) o Alcalino (pH +) y Alto (dosificacion oxidante) o Bajo (dosificacion reductor) para Redox

OFA OFF

- Seleccionar mediante el botón CAL ENTER y establecer con ▶
- Es posible ajustar el tiempo de OFA en minutos

CALIBRACIÓN 7/4pH o 465mV

- Seleccionar mediante el botón CAL ENTER y establecer con ▶
- Es posible seleccionar 2 puntos pH7 y pH 4 , 1 punto solo pH7 o funcion desconectada; para Redox solo es posible desconectar la funcion.

TEMPERATURA MAN 25°C (Sólo para la medición de pH)

- Seleccionar mediante el botón CAL ENTER y establecer con ▶
- Establezca el valor del manual de la temperatura (esta función solo esta disponible para la medida de pH)
- Para salir y escapar del menú de programación pulsar la tecla ESC.

SALIR

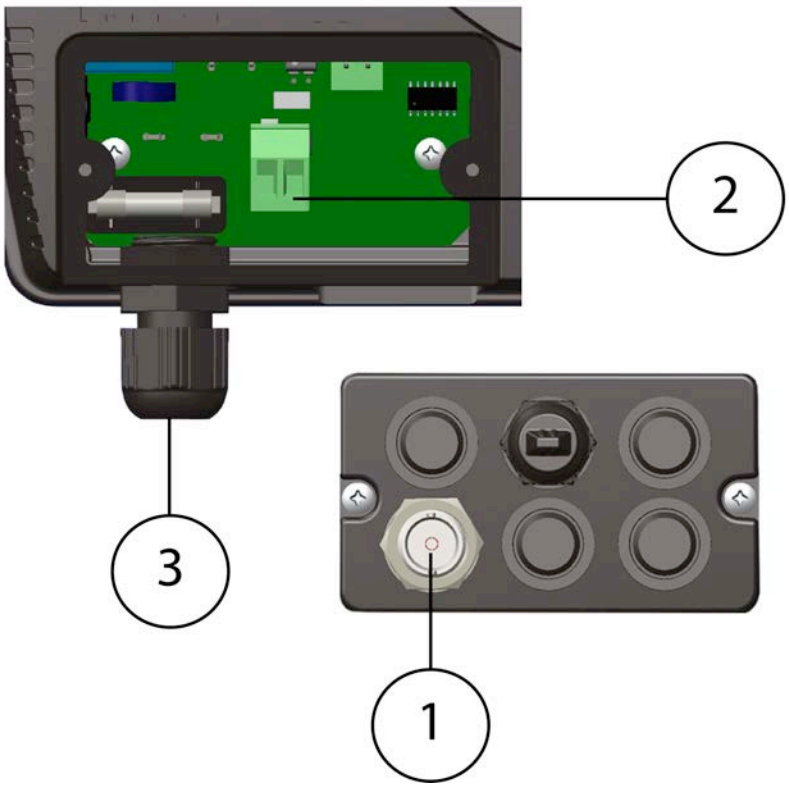
- Seleccionar mediante el botón ESC SET y establecer con ▶ Salvar o No Salvar

PRIMING

- Para cebar (cargar) la bomba dosificadora presionar el pulsador ▶ durante 3 segundos.

Connessione Cavi:

1) Entrada sonda pH or Redox
2) Entrada Flujo, Flujo bomba de recirculación (señal eléctrico 230 Vac)
3) Alimentación 230 Vac 50Hz / 60Hz.



Calibración electrodo de pH

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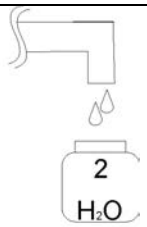
<td> 

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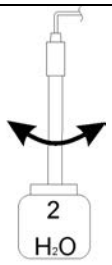
<td> 

Lavar
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<td>

Poner en la solución pH 7
4</td>
<td>Calibración
Pulsar CAL ENTER durante 3 segundos
5</td>
<td>7pH Press CAL
CAL ENTER
Duración de la calibración 1 min.
Espere 60s
6</td>
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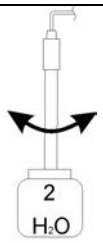
<td>pH7 Calidad 100%
Calidad electrodo
7</td>
<td> 

Lavar
8</td>
<td>

Poner en la solución pH 4
9</td>
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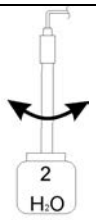
<tr>
<td>4pH Press CAL
CAL ENTER
Duración de la calibración 1 min.
Espere 60s
10</td>
<td>4pH Calidad 100%
Calidad electrodo
11</td>
<td> 

Lavar
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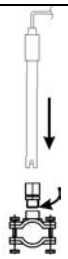
<td> 

13</td>
<td>Presionar CAL ENTER para salvar y salir
14</td>
<td>Estado Normal
15</td>
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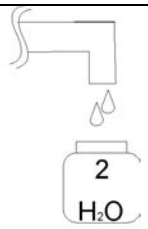
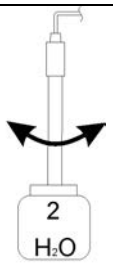
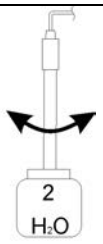
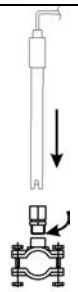
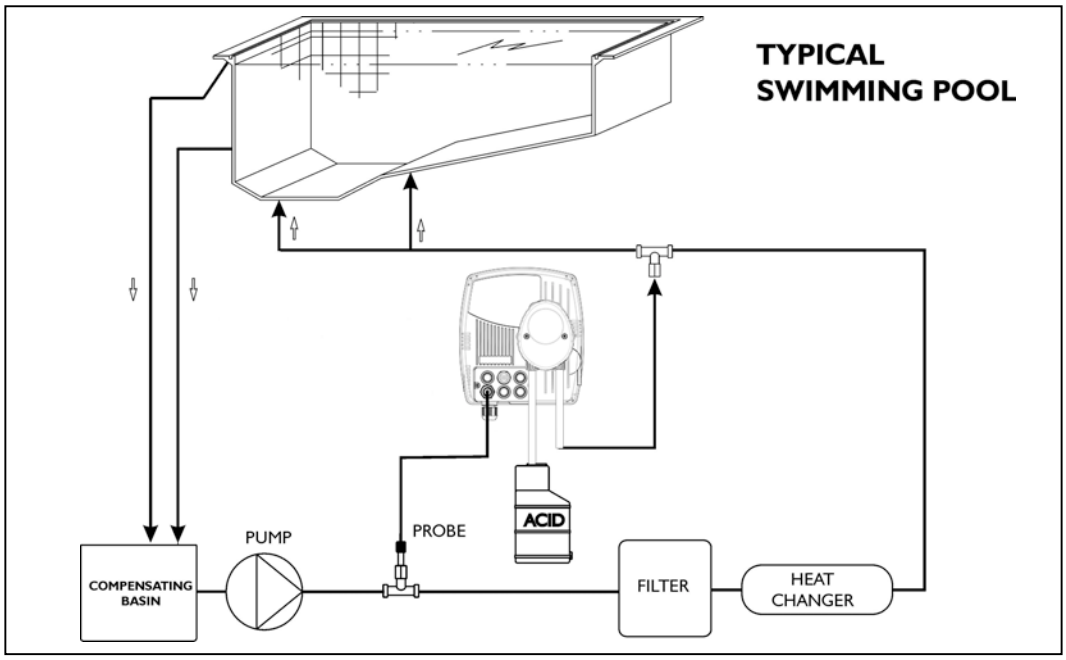
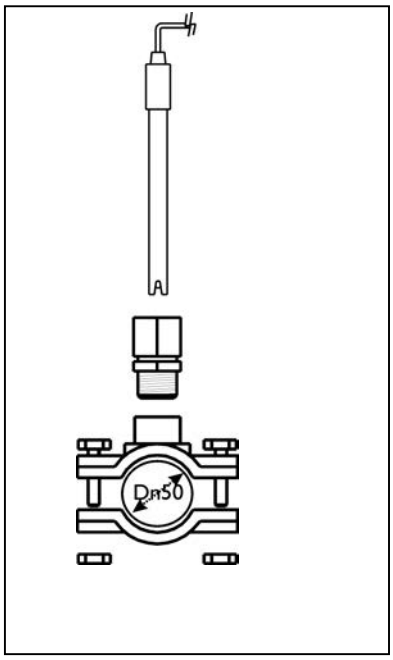
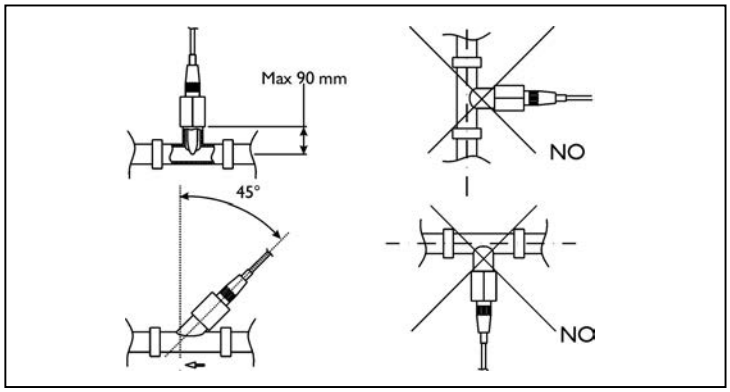
Nota:
Si en la configuración en el menú de calibración eligió 1 punto, solo precisará solución patrón pH7.

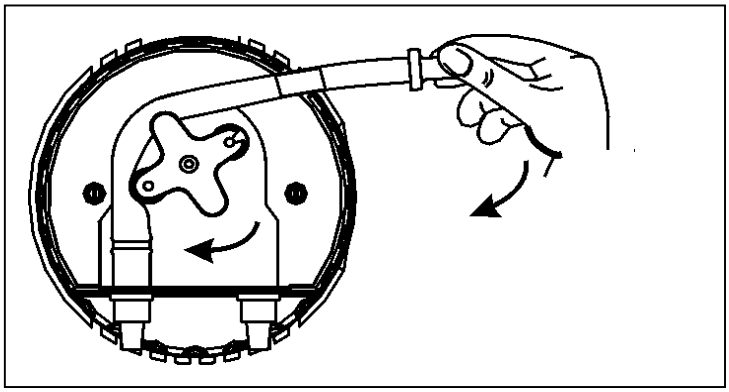
Calibración electrodo de Redox

 **1**	 **2**	 Lavar **3**
 Keep probe into Buffer solution **4**	**Calibración** Pulsar CAL ENTER durante 3 segundos **5**	**465mv Press CAL** CAL ENTER Duración de la calibración 1 min. **Espere 60s** **6**
465mv Calidad 100% Calidad electrodo **7**	 Lavar **8**	 **9**
Presionar CAL ENTER durante 3 segundos **10**	Estado Normal **11**	









Alarma	Display	Acciones a hacer
OFA Primera alarma (tiempo >70%)	**OFA alarm**	- Pulsar Enter para aceptar.
OFA Segunda alarma (tiempo =100%)	**OFA stop**	- Pulsar Enter para acepta
Caudal	**Caudal**	- Restaurar el caudal o recirculación.
Error de sistema	**Error de Parámetro**	- Presione Enter para sustituir el valor defectuoso - Equipo averiado. - Posible obstrucción de la inyección
Función calibración	**Error 7ph Error 4ph** **Error 465 mV**	- Sustituir el electrodo o solución patrón y repetir la calibración.

Parámetros de fabrica:

- Idioma = **UK**
- Set Point= **7,4 pH**
- Tipo de dosificación = **Acid**
- Tiempo OFA = **OFF**
- Calibración = **7/4 points)**
- Entrada de caudal **OFF**

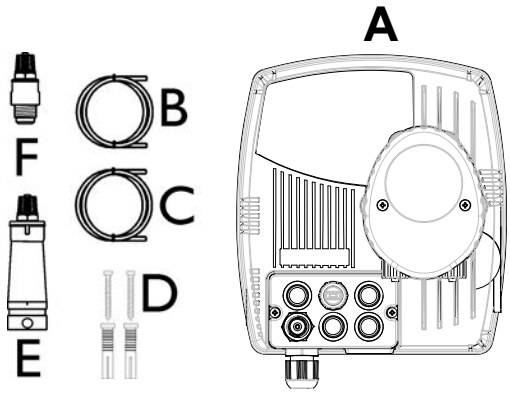
Restaurar valores de fabrica:

- Desconectar la unidad electricamente
- Mantenga pulsado los dos botones simultáneamente CAL ENTER y ▶ para encender el sistema Basic.
- En el display parpadea **Default No**
- Presionar el pulsador ▶ para **Default Yes**
- Presionar el pulsador CAL ENTER para restaurar los valores de fabrica

CONTROL BASIC **ASTRAL**POOL

CONTENU DE L'EMBALLAGE

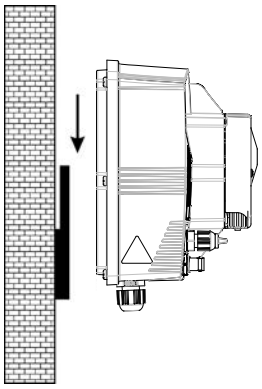
A) Système de contrôle de pH / REDOX
B) Tuyau PVC Crystal 4x6 (2 mètres)
C) Tuyau Polyéthylène (3 mètres)
D) Vis avec chevilles (ϕ = 6 mm)
E) Filtre d'aspiration (PVC)
F) Clapet de non-retour en Viton FPM (3/8" GAZ)



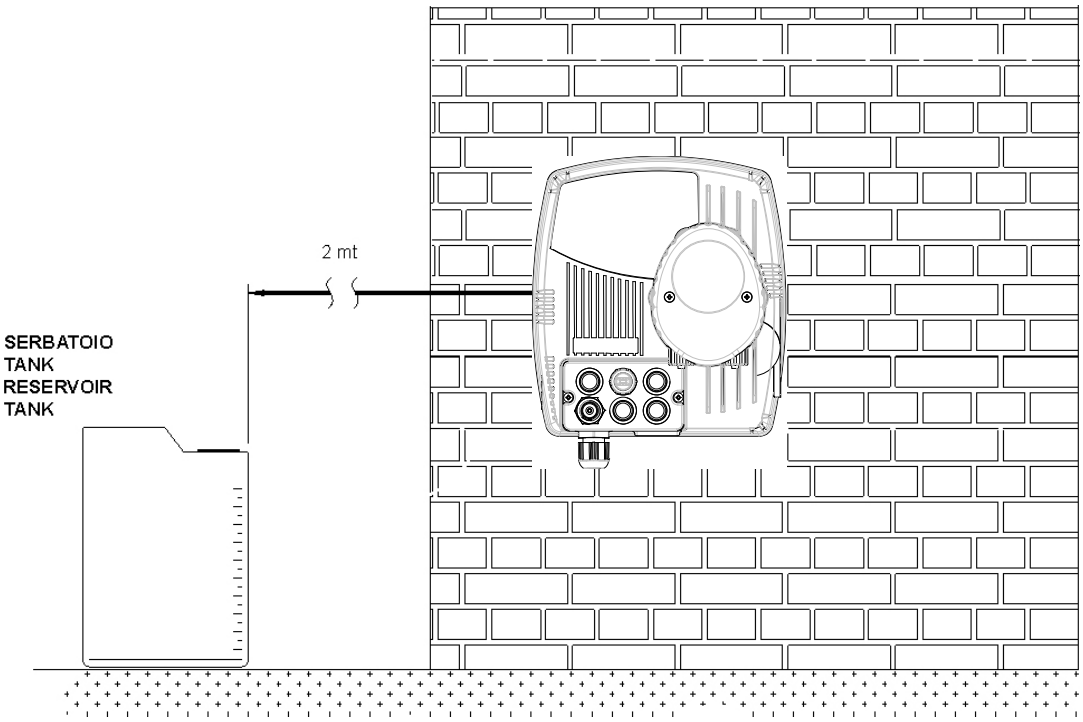
SPÉCIFICATIONS TECHNIQUES

Dimensions (H – L – P)	191x155x123 mm
Poids	1 kg
Alimentation	230 VAC
Consommation	6 W
Débit de la pompe	1,5 l/h
Contre-pression maximale	1,5 bar
État de la pompe	Pause - Activation
Échelle de mesure	0 ÷ 14,0 pH ou Redox 0 ÷ +1000 mV
Précision de la mesure	± 0,1 pH; ±10 mV
Mesure d'exactitude	± 0,02 pH; ±2 mV
Étalonnage de l'électrode	Automatique

Fixation murale



ATTENZIONE / WARNING / ATTENTION / ACHTUNG



REGLAGES

Function:

CALIBRAGE

- Appuyer sur la touche CAL ENTER pendant 3 secondes
- Séquence Standard étalonnage pour la solution tampon 7 et 4 pH ou 465mV pour Rédox

CONSIGNE

- Appuyer sur la touche ESC SET
- Maintenir la touche ESC SET et modifier la valeur
  - **7.4ph**
  - **750mV**
- Appuyer sur les touches CAL ENTER ESC SET (en même temps) pendant 5 secondes pour activer le menu configuration

PROGRAMME CONFIGURATION

Appuyer sur CAL ENTER pour programmer les paramètres ci-après:

- **Function**
  - Sélectionner pH ou Rédox
- **Langue**
  - Avec le bouton On peut régler 5 différentes langues EN, IT, ES, DE, FR
- **Debit**
  - Sélectionner
  - On peut activer (ON) ou désactiver (OFF) l'entrée Flux (haute tension) connectée en parallèle à la pompe de circulation

CONSIGNE 7.4ph ou 750mV

- Sélection avec la touche CAL ENTER et programmer avec
- On peut modifier la valeur de 0 à 14 pH ou de 0 à +1000 mV pour la mesure du potentiel Rédox.

PRODUIT DOSE ACIDE

- Sélection avec la touche CAL ENTER et programmer avec
- On peut le modifier pour dosages Acides ou Alcalins ou High (haut) ou Low (bas) pour le potentiel Rédox.

OFA OFF

- Sélection avec la touche CAL ENTER et programmer avec ▶
- On peut modifier le temps OFA (minutes), temps de surdosage

CALIBRAGE 7/4pH ou 465mV

- Sélection avec la touche CAL ENTER et programmer avec ▶
- On peut modifier la séquence de calibrage pour 2 points (7 et 4 pH), pour 1 point uniquement 7pH ou désactiver la fonction ; pour la mesure du potentiel Rédox, le choix est entre 465 mV et fonction désactivée

CORRECTION TEMP MAN 25°C (uniquement pour la mesure du pH)

- Sélection avec la touche CAL ENTER et programmer avec ▶
- On peut programmer la valeur de température manuelle (uniquement pour la mesure du pH)
- Enregistrer puis quitter le menu Programme avec la touche ESC.

EXIT

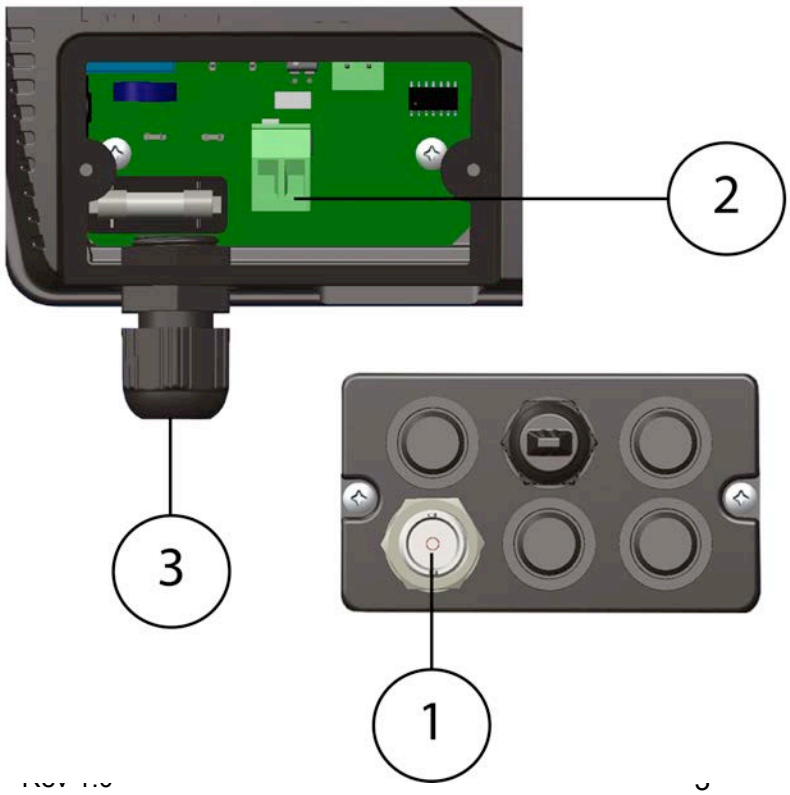
- Sélection avec la touche ESC SET et programmer avec ▶ Sauvegarder ou ne sauvegardons pas

AMORCAGE

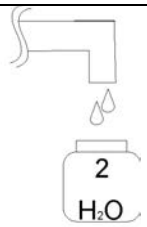
- Pour la Fonction amorçage en manuel, maintenir la touche ▶ pendant 3 secondes

Connexion des câbles:

1) Entrée sonde pH ou Redox
2) Entrée Débit, débit pompe de recirculation (signal électrique 230 Vc.a.)
3) Alimentation 230 Vc.a. 50Hz / 60Hz.



Calibrage Sonde pH



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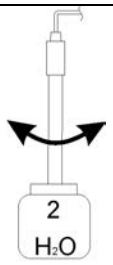


Laver la sonde

3

Maintenir la sonde dans la solution tampon

4

Calibrage

Appuyer sur la touche CAL ENTER pendant 3 secondes

5

7pH Presser CAL

CAL ENTER

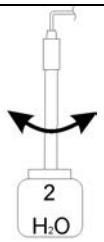
Le calibrage dure une minute.
Patienter 60s

6

7pH Qualite' 100%

Qualité de la sonde

7



8

Laver la sonde

8

Maintenir la sonde dans la solution tampon

9

4pH Presser CAL

CAL ENTER

Le calibrage dure une minute.
Patienter 60s

10

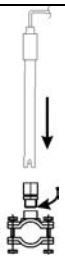
4pH Qualite' 100%

Qualité de la sonde

11

Laver la sonde

12



13

Appuyer sur la touche CAL ENTER pour quitter et enregistrer les données

14

État Normal de mesure et contrôle

15

Remarque:
Si l'on programme la fonction Calibrage = 7 pH, le système n'effectue le calibrage que pour le point 7 pH.

Calibrage sonde Redox

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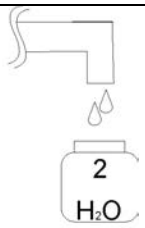
<td> 

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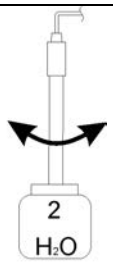
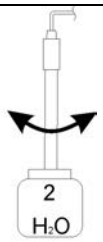
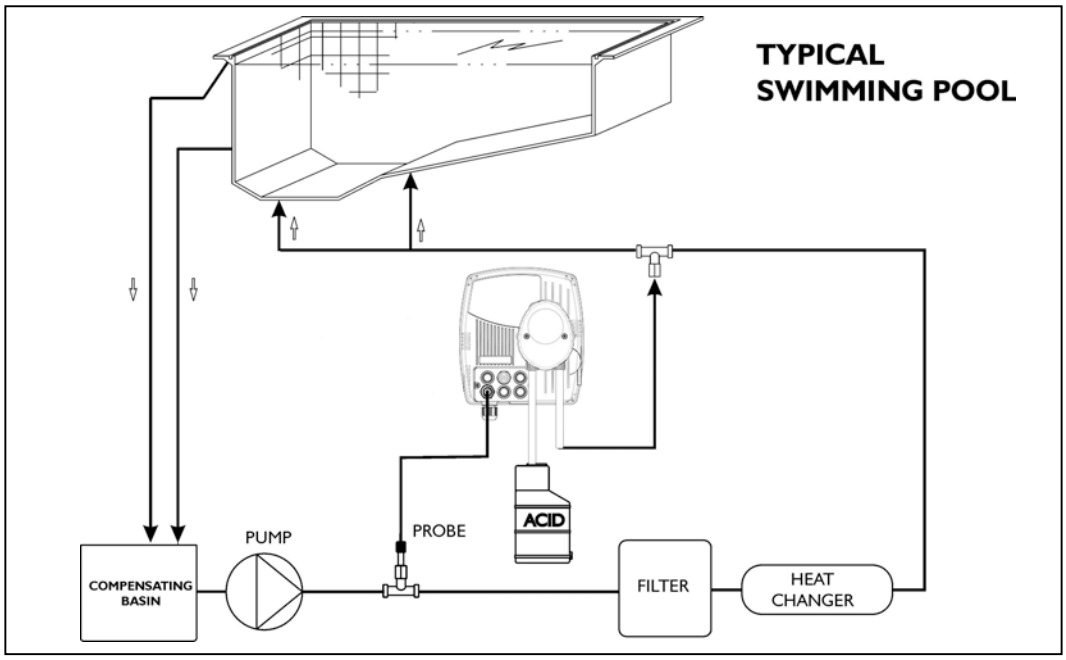
<td> 

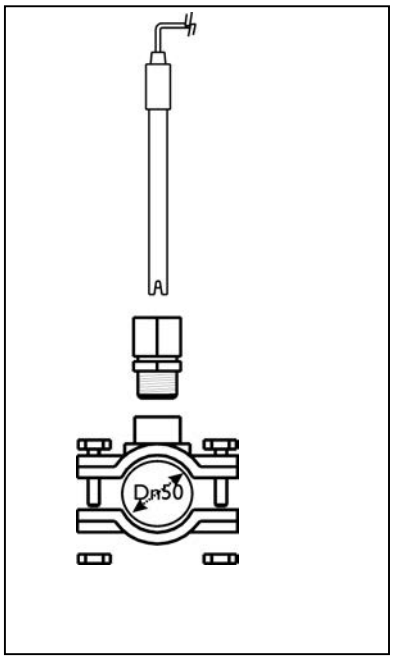
Laver la sonde
3</td>
</tr>
<tr>
<td>

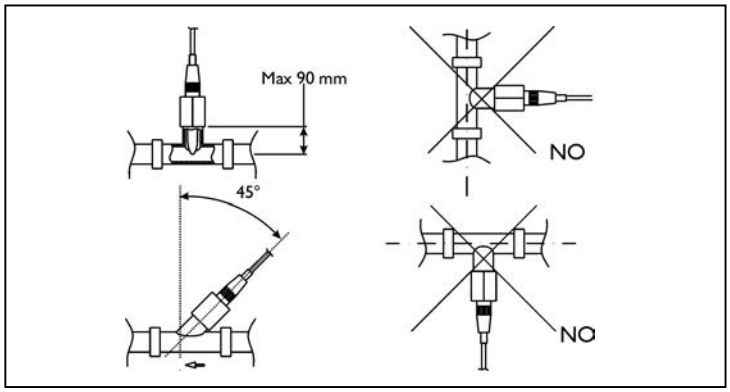
Mantenere la sonda nella soluzione tampone
4</td>
<td>Calibrage
Appuyer sur la touche CAL ENTER pendant 3 secondes
5</td>
<td>465mv Presser CAL
CAL ENTER
Le calibrage dure une minute.
Patienter 60s
6</td>
</tr>
<tr>
<td>465mv Qualite’ 100%
Qualité de la sonde
7</td>
<td> 

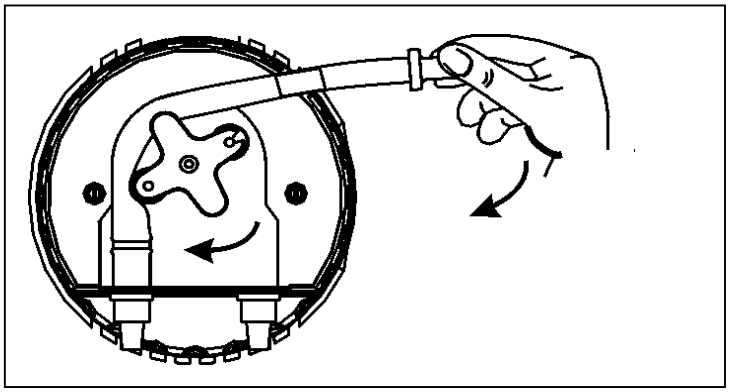
Laver la sonde
8</td>
<td>

9</td>
</tr>
<tr>
<td>Appuyer sur la touche CAL ENTER pendant 3 secondes
10</td>
<td>État Normal de mesure et contrôle
11</td>
<td></td>
</tr>
</table>









Alarme	Écran	Actions à exécuter
OFA Première Alarme (Temps >70%)	**Alarme OFA**	- Appuyer sur la touche Enter pour désactiver l'alarme
OFA Deuxième Alarme (Temps=100%)	**STOP OFA**	- Appuyer sur la touche Enter pour désactiver l'alarme
Débit eau (pompe de recirculation éteinte)	**Debit**	- Réactiver la pompe de circulation eau.
Erreur de système	**Parameter Error**	- Appuyer sur Enter pour restaurer les paramètres par défaut - Système endommagé
Fonction d'étalonnage	**Erreur 7 ph Erreur 4 ph Erreur 465 mV**	- Remplacer la Sonde ou la Solution tampon et répéter le calibrage.

Paramètres d'usine :

- Langue = **UK (Inglese)**
- Set Point valore = **7,4 pH; 750mV (Rx)**
- Méthode de dosage = **Acide; Basse (Rx)**
- Temps OFA (alarme de surcharge) = **OFF**
- Calibrage = **7/4 (2 points) ; 465mV (Rx)**
- Entrée Debit = **OFF**

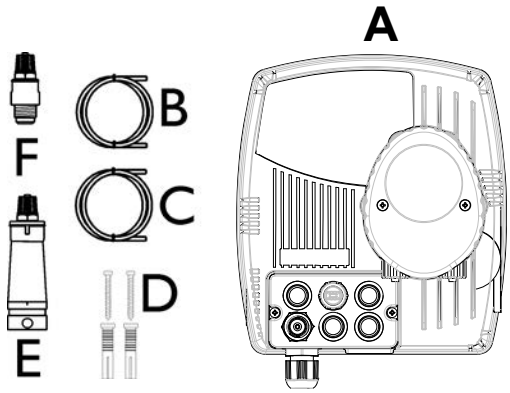
Pour restaurer les paramètres par défaut (Défaut), agir de la façon suivante:

- Arrêter le système Basic
- Appuyez sur les deux boutons en même temps CAL ENTER et ▶ pour activer le système Basic.
- Le système affichera **Defaut Non**
- Appuyer sur la touche ▶ pour **Defaut Oui**
- Appuyer sur la touche CAL ENTER pour restaurer les paramètres.

CONTROL BASIC **ASTRAL**POOL

CONTENUTO NELLA SCATOLA

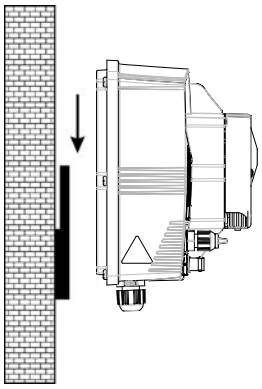
A) pH / REDOX Sistema di controllo
B) Tubo PVC Crystal 4x6 (2 metri)
C) Tubo Polyethylene (3 metri)
D) Viti con tasselli (ϕ = 6 mm)
E) Filtro di fondo (PVC)
F) Valvola di non ritorno in FPM (3/8" GAS)



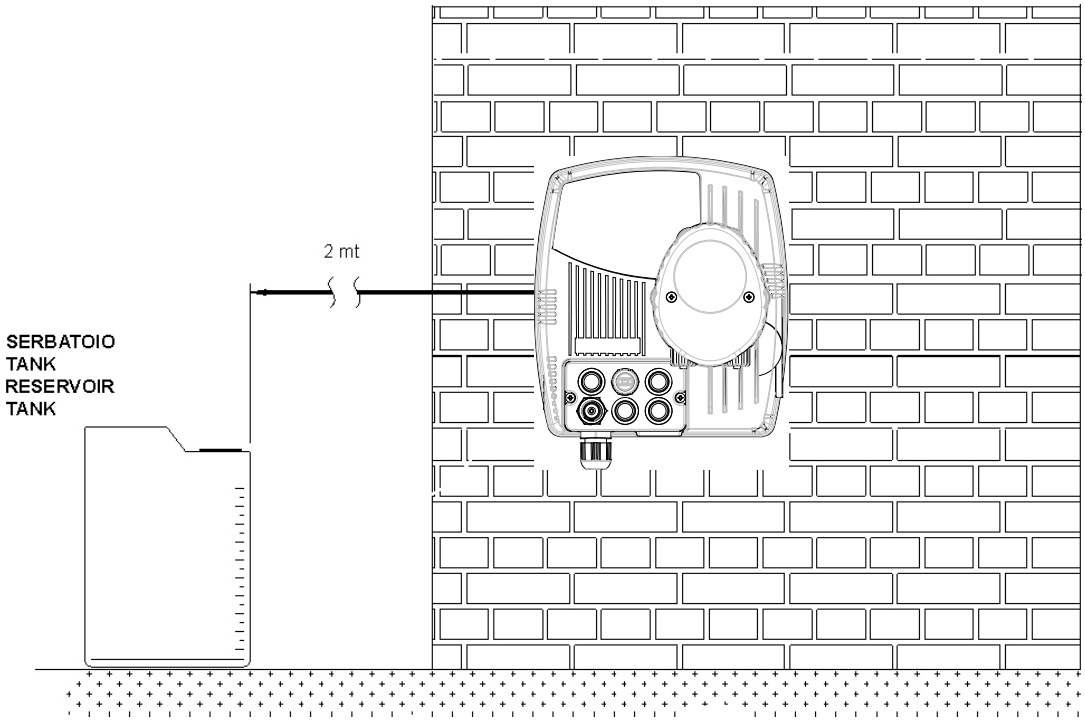
SPECIFICHE TECNICHE

Dimensioni (A – L – P)	191x155x123 mm
Peso	1 kg
Alimentazione	230 VAC
Consumo	6 W
Portata Pompa	1,5 l/h
Contro pressione Massima	1,5 bar
Pump state	Pause - Supply
Scala Misura	0 ÷ 14.0 pH; Redox 0 ÷ +1000 mV
Precisione Misura	± 0,1 pH; ±10 mV
Accuratezza Misura	± 0,02 pH; ±2 mV
Calibrazione Elettrodo	Automatica

Montaggio Parete



ATTENZIONE / WARNING / ATTENTION / ACHTUNG



IMPOSTAZIONI

Funzione:

CALIBRAZIONE

- Premere tasto CAL ENTER per 3 Secondi
- Sequenza Standard calibrazione per soluzione tampone 7 e 4 pH o 465mV per il Redox

SET POINT

- Premere tasto: ESC SET
- Tenere premuto ESC SET e modificare valore con tasto
  - **7.4ph**
  - **750mV**
- Premere tasti CAL ENTER ESC SET (insieme) per 5 Secondi e si eseguirà il menu configurazione

MENU CONFIGURAZIONE

Premere CAL ENTER impostare le seguenti voci:

- **Configurazione pompa**
  - Selezionare pH o Redox
- **Lingua**
  - Con il pulsante si può imposare 5 lingue EN, IT, ES, DE, FR
- **Flusso**
  - Selezionare con il tasto
  - Si può abilitare (ON) or disabilitare (OFF) l'ingresso Flusso (alta tensione) collegato in parallelo alla pompa di ricircolo

SETPOINT 7.4ph o 750mV

- Selezionare con il tasto CAL ENTER e impostare con
- Si può modificare il valore da 0 a 14 pH oppure da 0 a +1000 mV per misura Redox.

TIPO SETPOINT ACIDO

- Selezionare con il tasto CAL ENTER e impostare con
- Si può modificare per dosaggi Acidi o Alcalini oppure Alto o Basso per Redox.

TEMPO OFA OFF

- Selezionare con il tasto CAL ENTER e impostare con ▶
- Si può modificare il tempo (minuti) di OFA tempo di savra dosaggio

CALIBRAZIONE 7/4pH o 465mV

- Selezionare con il tasto CAL ENTER e impostare con ▶
- Si può modificare la sequenza di calibrazione per 2 punti (7 and 4 pH), oppure 1 punto solo 7pH o funzione disabilitata; per il Redox abbiamo 465 mV o funzione disabilitata.

TEMPERATURA MAN 25°C (Solo per la misura del pH)

- Selezionare con il tasto CAL ENTER e impostare con ▶
- Impostare il valore di temperatura manuale (Solo per la misura del pH)
- Salvare ed uscire dal menù Programma con il tasto ESC.

USCITA

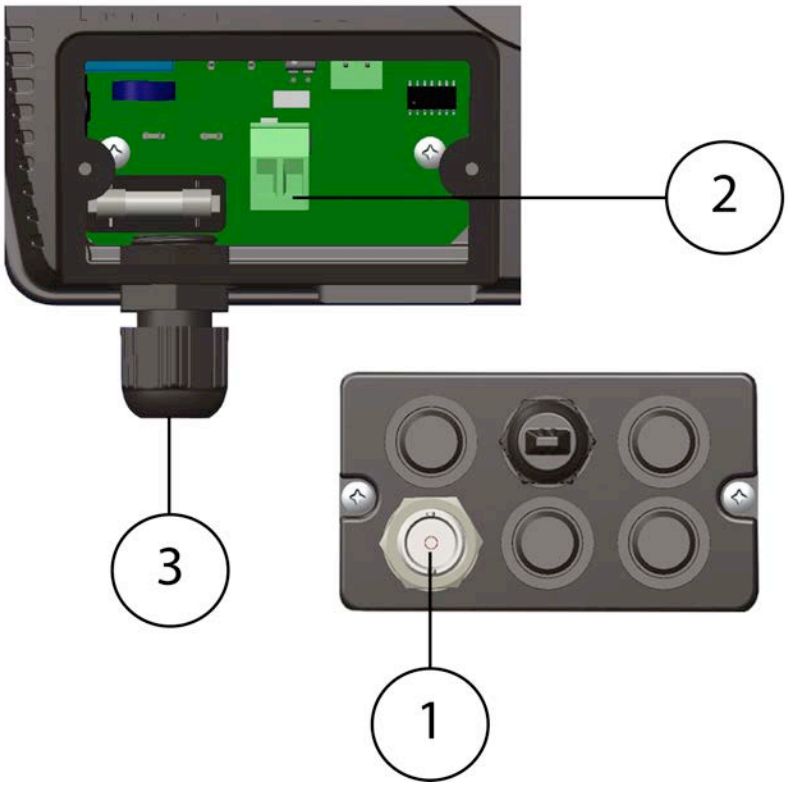
- Selezionare con il tasto ESC SET e impostare con ▶ Salva oppure Non Salvare

ADESCAMENTO

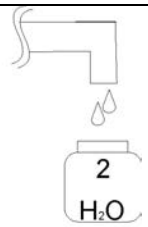
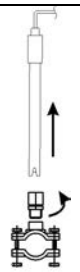
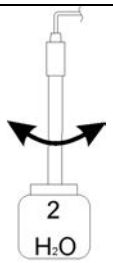
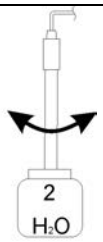
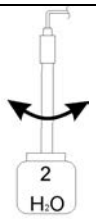
- Funzione adescamento manuale tenere premuto il tasto ▶ per 3 secondi

Connessione Cavi:

1) Ingresso sonda pH or Redox
2) Ingresso Flusso, flusso pompa di ricircolo (segnale elettrico 230 Vac)
3) Alimentazione 230 Vac 50Hz / 60Hz.

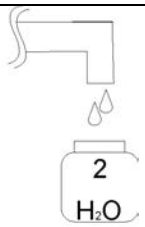
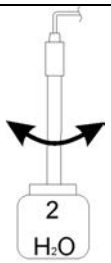
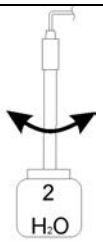
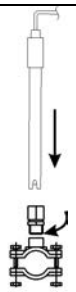


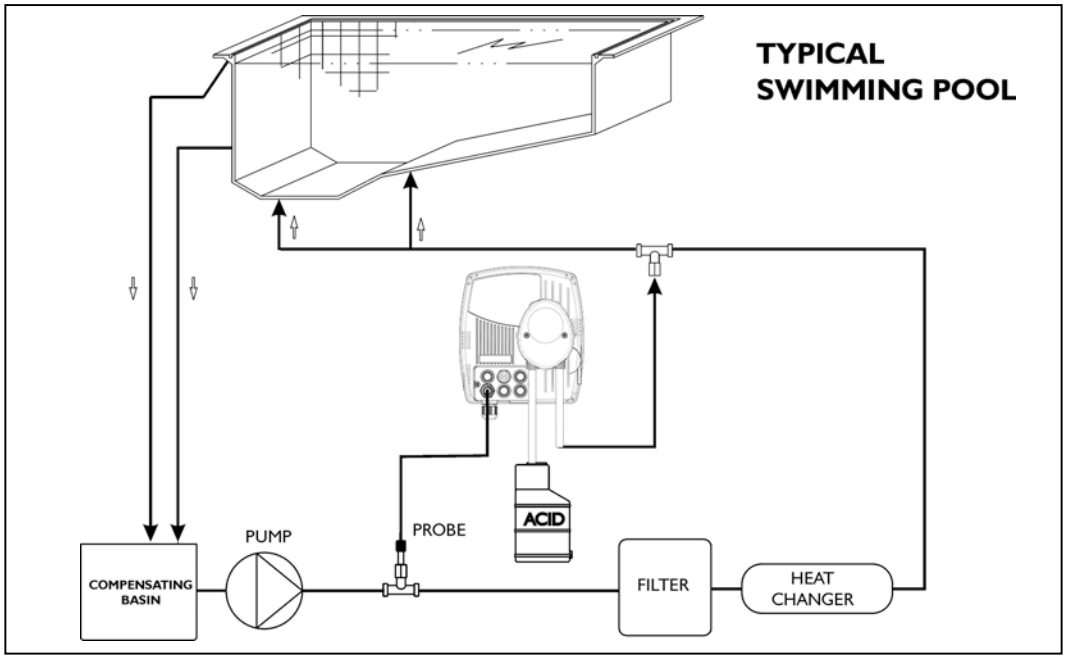
Calibrazione Sonda pH

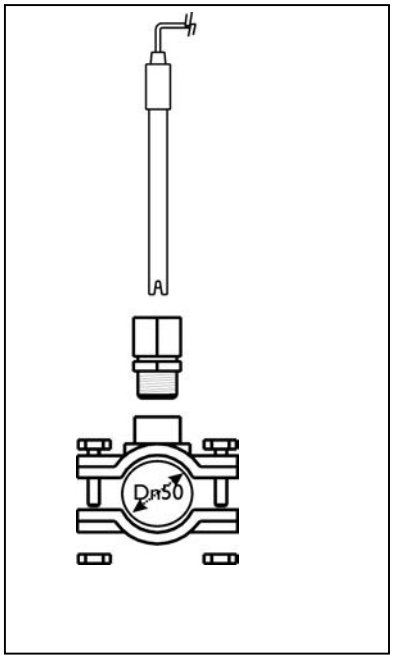
 **1**	 **2**	 Lavare la sonda **3**
 Mantenere la sonda nella soluzione tampone **4**	**Calibrazione** Premere tasto CAL ENTER per 3 Secondi **5**	**7pH Premere CAL** CAL ENTER La calibrazione dura un minuto **Attendere 60s** **6**
7pH Qualità 100% Qualità sonda **7**	 Lavare la sonda **8**	 Mantenere la sonda nella soluzione tampone **9**
4pH Premere CAL CAL ENTER La calibrazione dura un minuto **Attendere 60s** **10**	**4pH Qualità 100%** Qualità sonda **11**	 Lavare la sonda **12**
 13	Premere il tasto CAL ENTER per uscire e salvare i dati **14**	Stato Normale di misura e controllo **15**

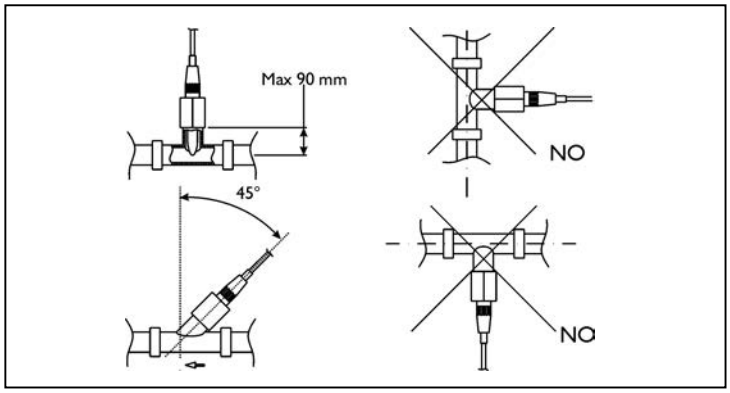
Nota:
Se impostiamo la funzione Calibrazione = 7 pH il sistema eseguirà la calibrazione soltanto per il punto 7 pH.

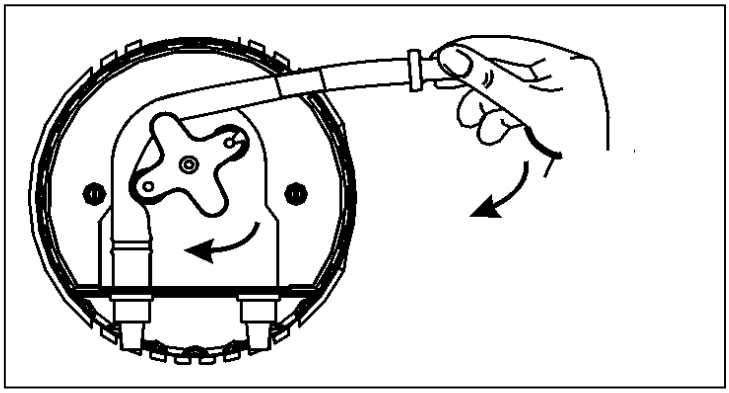
Calibrazione sonda Redox

 **1**	 **2**	 Lavare la sonda **3**
 Mantenere la sonda nella soluzione tampone **4**	**Calibrazione** Premere il tasto CAL ENTER 3 Secondi **5**	**465mv Premere CAL** La calibrazione dura un minuto **Attendere 60s** **6**
465mv Qualità 100% Qualità Sonda **7**	 Lavare la sonda **8**	 **9**
Premere il tasto CAL ENTER 3 Secondi **10**	Normale Stato di misura e controllo **11**	









Allarme	Display	Azioni da fare
OFA Primo Allarme (Tempo >70%)	**Allarme OFA**	- Premere il tasto Enter per eliminare l'allarme
OFA Secondo Allarme (Tempo=100%)	**Stop OFA**	- Premere il tasto Enter per eliminare l'allarme
Flusso acqua (Pompa di ricircolo spenta)	**Flusso**	- Ripristinare pompa di ricircolo acqua.
Errore di Sistema	**Parameter Error**	- Premere Enter per ripristinare i parametri di fabbrica - Sistema Rotto
Funzione di Calibrazione	**Errore 7ph Errore 4ph** **Errore 465mV**	- Sostituire Sonda o Soluzione tampone e ripetere la calibrazione.

Parametri di Fabbrica:

- Lingua = **UK (Inglese)**
- Set Point valore = **7,4 pH; 750mV (Rx)**
- Metodo di Dosaggio = **Acido; Basso (Rx)**
- Tempo OFA = **OFF**
- Calibrazione = **7/4 (2 punti); 465mV (Rx)**
- Ingresso Flusso = **OFF**

Per ripristinare I parametri di fabbrica (Default) eseguire i seguenti passi:

- Spegnere il sistema Basic
- Mantenere premuto i tasti contemporaneamente CAL ENTER e ▶ per accendere il sistema Basic.
- Il Sistema visualizzerà **Default No**
- Premere il tasto ▶ per **Default Yes**
- Premere il tasto CAL ENTER per ripristinare i parametri.